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Action of halogens on esters of antimonous acid

Arbuzov B., Samollova O.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

1. Chlorine and bromine readily form addition products with antimonous esters. 2. The course of the thermal decomposition of trialkoxystibine dibromides is more complex than that of trialkoxystibine dichlorides. Trialkoxystibine dichlorides decompose with formation of an alkyl chloride, an ether, and antimony trichloride, while trialkoxystibine dibromides yield an alkyl bromide, an ether, an alcohol, and a carboxylic ester. 3. Trialkoxystibine dibromides are able to promote the Tishchenko ester condensation of aldehydes, and they are also able to reduce aldehydes. © 1955 Consultants Bureau, Inc.

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